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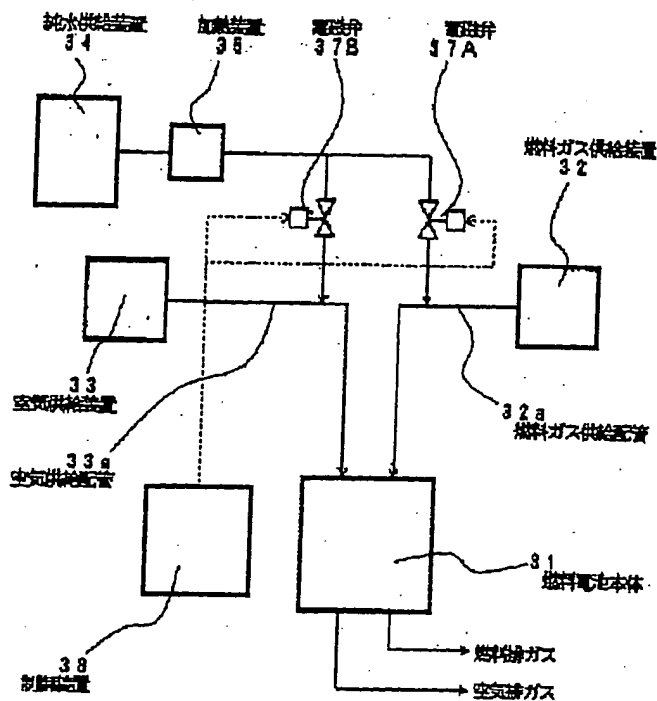
APPLICATION DATE : 30-09-96
APPLICATION NUMBER : 08257960

APPLICANT : FUJI ELECTRIC CO LTD;

INVENTOR : KINOSHITA SHINJI;

INT.CL. : H01M 8/04 H01M 8/10

TITLE : FUEL CELL WITH SOLID
HIGH-POLYMER ELECTROLYTE



ABSTRACT : PROBLEM TO BE SOLVED: To establish a stable operation for a long period of time without causing degradation of the characteristics by certainly removing liquid drops eventually attached to a gas flow path in the body of a fuel cell in association with the power generating operation.

SOLUTION: Pure water injecting means consisting of a pure water supply device 34 to supply pressurized pure water, a heater system 35 to heat the pure water, solenoid valves 37A and 37B and a control device 38 is coupled with a fuel gas supply piping 32a to supply a fuel gas from a fuel gas supply device 32 to the body 31 of a fuel cell and an air supply piping 33a to supply the air from an air supply device 33, whereby the valves 37A and 37B are opened and closed by the control device 38 so that the pure water is injected periodically to the fuel gas piping 32a and air piping 33a to be forwarded to the gas flow path in the fuel cell body, and thereby the attached liquid drops are put together and exhausted to the outside.

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